

Simin Yang

Queen Mary University of London
Mile End Road, E1 4NS, London, United Kingdom

simin.yang@qmul.ac.uk
<https://siminyang6.wordpress.com>

Education

- Queen Mary, University of London**, London, UK Sep. 2015 - Present
Ph.D Candidate, Centre for Digital Music
Supervisors: Prof. Elaine Chew, Dr. Mathieu Barthet
- Shandong University**, Jinan, China Sep. 2011 - Jun. 2015
B.E, Electronic Information Engineering
-GPA: 89.9/100 -Ranking: 3/86
- National Tsing Hua University**, Hsinchu, Taiwan Feb. 2013 - Jun. 2013
Exchange student, Electrical Engineering

Research Projects

- Emotion Consistency: Characterizing Time-varying Emotion Annotations in Live Music Performance Oct. 2015 – Present
- Enriched explanatory models of perceived music emotions using audio-content feature, semantic features and tension feature derived from music score
 - Investigated the subjectivity nature of music emotion perception, and possible associations with listeners' personal attributes and listening context factors
 - Identified listener-informed music features for time-varying music emotion perception through listeners' free text descriptions behind emotion judgements
 - Developed a web-based **Mood Rater** for emotion annotating in real-time, retroactively reviewing and commenting on chosen emotion annotations
 - Collaborated on web-based **IMMA-Emo** for visualizing audio- and score-synchronised emotion annotations

Peer-reviewed Conference Articles

1. **Simin Yang**, Elaine Chew, Mathieu Barthet, "Identifying Listener-informed Features for Modeling Time-varying Emotion Perception", Oral Presentation at 14th International Symposium on Computer Music Multidisciplinary Research (CMMR), Marseille, France, 2019
2. Dorien Herremans, **Simin Yang**, Ching-Hua Chuan, Elaine Chew, Mathieu Barthet, "IMMA-Emo: A Multi-modal Interface for Visualising Score- and Audio-synchronised Emotion Annotations", The 12th International Audio Mostly Conference on Augmented and Participatory Sound and Music Experiences, London, UK, 2017

Peer-reviewed Conference Presentations On The Basis Of An Abstract:

1. **Simin Yang**, Mathieu Barthet, Elaine Chew, "Interrogating Reasons for Disagreements in Time-varying Music Emotion Perception", Oral presentation at the biennial meeting of the Society for Music Perception and Cognition (SMPC), New York, USA, 2019
2. **Simin Yang**, Courtney Nicole Reed, Elaine Chew, Mathieu Barthet, "Listener-informed Features for Time-varying Emotion Perception in Live Music Performance", Oral presentation, the Seventh Seminar on Cognitively Based Music Informatics Research workshop (CogMIR), New York, USA, 2019
3. Courtney Nicole Reed, **Simin Yang**, Elaine Chew, Mathieu Barthet, "The Listening Participant and The Living Instrument: A Thematic Analysis of Why Listeners Actively Annotate Emotion Changes Through Live Performance", Abstract, Workshop-Symposium on Research Methods in Music and Emotion, Durham, UK, 2019
4. **Simin Yang**, Mathieu Barthet, Elaine Chew, "Multi-scale Analysis of Agreement Levels in Perceived Emotion Ratings During Live Performance", Extended abstracts for the Late-Breaking Demo Session, 18th International Society for Music Information Retrieval Conference (ISMIR), Suzhou, China, 2017

Research Training and Activities

- Deep Learning for Music Information Retrieval (MIR) Summer Workshop, Center for Computer Research in Music and Acoustics (CCRMA), Stanford University Jul. 2018
- Participated in lectures and discussions on state-of-the-art algorithms for current tasks in MIR.
- Investigated the inter-rater reliability of music emotion ratings within Database for Emotional Analysis of Music (DEAM dataset).
- Mentee, WiMIR (Women in Music Information Retrieval) Mentoring Program Feb. 2018 - Present
- Mentor: Prof. Peter Knees from TU Wien, Austria

Interests and Skills

Music Emotion Perception, Recommender Systems, Machine learning, Human Computer Interaction
Programming: Python, R, Matlab, JavaScript

Awards and Scholarships

Women in MIR (WiMIR) Travel Grants for ISMIR Conference 2017	2017
Queen Mary-China Scholarship Council Co-funded Ph.D Scholarship	2015
National Scholarship (Top 1%), Ministry of Education, China	2013
First Prize Scholarship (Top 5%), Shandong University	2013
National Scholarship (Top 1%), Ministry of Education, China	2012
First Prize Scholarship (Top 5%), Shandong University	2012

Additional Experience

Teaching Assistant, Queen Mary University of London	Sep. 2015-Dec.2016
-ECS517U Electronic Devices and Applications	
-ECS404U Computer Systems and Networks	
Organizer/Tutor, Photoshop Tutorial in GradFest 2016, Queen Mary University of London	Jun. 2017
UI designer, <i>Student Online Website</i> , Shandong University	Sep.2011-Feb.2013